

**Notice of Allowability**

Application No.

09/993,939

Examiner

Harold E. Dodds, Jr.

Applicant(s)

GOOD ET AL.

Art Unit

2168

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 18 August 2005.
2. ☒ The allowed claim(s) is/are 1,3,4,6-12, and 14-18 (renumbered 1-15).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 110105.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>110105</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                                  |
|   | 9. <input type="checkbox"/> Other _____.   |

Harold E. Dodds, Jr.  
Patent Examiner

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Robert P. Lord on 1 November 2005.

3. The application has been amended as follows:  
In page 7, paragraph 0026, line 2 of the Specification **insert (159) after** Generator.

4. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: Robert P. Lord. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

In Figure 1, **delete** box ~~Open Digital Marketplaces/Applications 40~~.

In Figure 1, **insert 28 under** Internet Service Deployment Platform.

In Figure 1, **delete** box ~~Operating System 30~~.

In Figure 1, **delete** box ~~Network & Systems Infrastructure 32~~.

In Figure 6, **draw box around** Client A 164, Master M 160, Client B 166, Client C 168, Master N 162, and Client D, 168.

### REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:  
Examiner finds Applicants' arguments on pages 5-9 of the "Reply Under 37 CFR 4 1.116" received 18 August 2005 concerning a directory server persuasive as applied to

independent claims 1, 10, and 18. The prior art from Stokes et al. ("The LDUP Replication Update Protocol"), Oulid-Aissa et al. (U.S. Patent No. 5,835,757), and Long et al. (U.S. Patent No. 5,805,822) does not anticipate nor render obvious the recited elements in light of claims 1, 10, and 18. In particular, Stokes, Oulid-Aissa, and Long do not teach the limitation "wherein the change sequence number is a tuple comprising a timestamp portion, a sequence number portion, a replica identifier portion, and a sub-sequence number portion, and wherein the timestamp portion comprises a network offset component, wherein the network offset component is incremented when a first logical time on the consumer server is greater than a second logical time on the supplier server."

### **CONCLUSION**

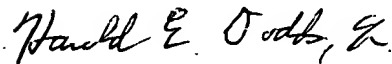
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harold E. Dodds, Jr. whose telephone number is (571)-272-4110. The examiner can normally be reached on Monday - Friday 8:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (571)-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Harold E. Dodds, Jr.  
Patent Examiner  
November 2, 2005

  
GVETA ROBINSON  
PRIMARY EXAMINER

FIGURE 1

~~Open Digital Marketplaces/Applications 40~~

Portal Services <u>42</u>				
Knowledge <u>50</u> Management	Security <u>52</u>	Personalization <u>54</u>	Aggregation <u>56</u>	Presentation <u>58</u>

Communication Services <u>44</u>				
Web Mail <u>60</u>	Calendar <u>62</u>	Wireless <u>64</u>	Instant <u>66</u> Messaging	Unified <u>68</u> Messaging

Web, Application, and Integration Services <u>46</u>				
Web <u>70</u> Server	Application <u>72</u> Server	B2B <u>74</u> Integration	EAI <u>76</u> Integration	Business Process <u>78</u> Automation

Unified User Management Services <u>48</u>				
Directory <u>80</u> Server	Meta <u>82</u> Directory	Delegated <u>84</u> Administration	PKI <u>86</u>	Policy <u>88</u>

~~Operating System 30~~

~~Network & Systems Infrastructure 32~~

Internet  
Service  
Deployment  
Platform  
28

(PRIOR ART)  
FIGURE 1



Replacement Sheet

CSN Generator  
159

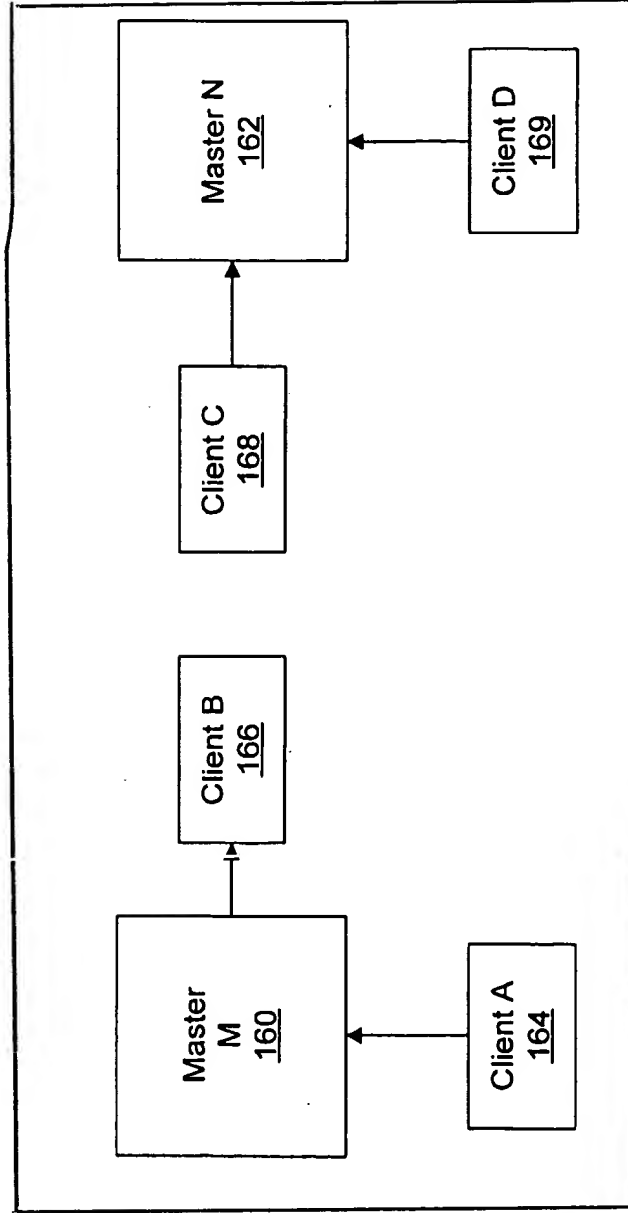
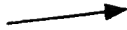


FIGURE 6